

IN THE CLAIMS:

Please amend the claims as follows:

21. (Currently Amended) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network;  
an accelerator to provide an accelerating response function in response to measure a change in the characteristic; and  
circuitry to control the power supplied to the utility network based on the accelerating response function, the circuitry comprising a power converter that operates in accordance with the accelerating response function characteristic.

22. (Previously Added) The system of claim 21, wherein the characteristic relates to voltage on the grid line.

23. (Previously Added) The system of claim 22, wherein the characteristic comprises at least one of a direction and an amount of voltage change on the grid line.

24. (Previously Added) The system of claim 21, wherein the characteristic comprises signal frequency on the grid line.

25. (Currently Amended) The system of claim 21, wherein the circuitry controls the power by changing a voltage on the grid line in a same direction as the change ~~measured by the accelerator.~~

26. (Previously Added) The system of claim 21, wherein:  
the detector comprises a voltage detector to detect voltage on the grid line; and  
the system further comprises a frequency detector to detect a frequency of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based on outputs of both the frequency detector and the voltage detector.

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27. (Previously Added) The system of claim 26, further comprising a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

28. (Previously Added) The system of claim 27, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.

29. (Previously Added) The system of claim 21, further comprising a power source to supply the power to the utility network.

30. (Currently Amended) A method of controlling power supplied to a utility network, comprising:

detecting a trend in voltage on the utility network; and  
providing an accelerating response function in response to the trend;  
controlling a power converter, which supplies the power to the utility network, in accordance with the accelerating response function trend.

31. (Previously Added) The method of claim 30, wherein the trend comprises a change in voltage on the utility network.

32. (Previously Added) The method of claim 31, wherein controlling comprises changing a supply of voltage to the utility network in a same direction as the change in voltage on the utility network.

33. (Previously Added) The method of claim 31, wherein the change in voltage comprises at least one of a change in voltage level and a change in voltage frequency.

34. (Currently Amended) The method of claim 30, wherein the power is supplied from a power source and controlling comprises controlling the power supplied to the utility network so as to reduce an islanding condition of the power source relative to the utility network.

35. (Currently Amended) The method of claim 30, wherein the ~~power is controlled by a gain accelerator that operates in accordance with the trend, the gain accelerator having an output which affects the amount of power supplied to the utility network, the gain accelerator having a response function that controls the output.~~

36. (Currently Amended) An apparatus for controlling power supplied to a utility network, comprising:

circuity to detect a trend in voltage on the utility network; and  
an accelerator that provides an accelerating response function in response to the trend;

circuity to control a power converter, which supplies the power supplied to the utility network, in accordance with the accelerating response function trend.

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37. (Previously Added) The apparatus of claim 36, wherein the trend comprises a change in voltage on the utility network.

38. (Currently Amended) The apparatus of claim 37, wherein the circuitry to control the power converter supplied to the utility network comprises circuitry to change a supply of voltage to the utility network in a same direction as the change in voltage on the utility network.

39. (Previously Added) The apparatus of claim 37, wherein the change in voltage comprises at least one of a change in voltage level and a change in voltage frequency.

40. (Currently Amended) The apparatus of claim 36, further comprising a power source;

wherein the circuitry to control the power converter supplied to the utility network controls the power supplied to the utility network so as to reduce an islanding condition of the power source relative to the utility network.

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41. (Currently Amended) The apparatus of claim 36, wherein the circuitry to control the power supplied to the utility network includes a gain accelerator that operates in accordance with the trend, the gain accelerator having an output which affects the amount of power supplied to the utility network, the gain accelerator having a response function that controls the output.

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42. (New) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network, the detector comprising a voltage detector to detect voltage on the grid line; an accelerator to measure a change in the characteristic; circuitry to control the power supplied to the utility network based on the change in the characteristic;

a frequency detector to detect a frequency of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based on outputs of both the frequency detector and the voltage detector; and

a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

✓43. (New) The system of claim 42, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.

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44. (New) A system for controlling power supplied to a utility network, comprising:

a detector to detect a characteristic of power on a grid line of the utility network;  
an accelerator to measure a change in the characteristic;  
circuitry to control the power supplied to the utility network based on the change in the characteristic; and

a phase detector to detect a phase of the voltage on the grid line, the circuitry controlling the power supplied to the utility network based also on an output of the phase detector.

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45. (New) The system of claim 44, wherein the circuitry comprises a zero crossing detector which detects a loss of power in the utility network based on an output of the phase detector.